

REVIEWS

Sturgis's The Myxomycetes and Fungi of Colorado.*

This paper is No. 1 of a series by Ellsworth Bethel and William C. Sturgis, entitled "The Myxomycetes and Fungi of Colorado." In the series it is intended to cover the mycological flora of Colorado, including the Rocky Mountain region, which hitherto has been largely neglected by mycologists. In the present paper nearly one hundred species and varieties of Myxomycetes are described. Preceding the descriptions are brief notes on life history, collecting and preservation, microscopic examination, and literature. It is intended that the paper may serve as a beginner's guide, and the key is based upon the synopsis of the orders and genera in Lister's *Monograph of the Mycetozoa*.

C. STUART GAGER.

Hanausek's Microscopy of Technical Products †

This work is the result of the many years of labor of the distinguished expert, investigator and teacher, Dr. Hanausek, analyst of the Governmental Food Laboratory at Vienna. After a brief introduction on the use of the microscope and microchemical reagents, the authors discuss in nine chapters the following commercial products: (1) starch and inulin; (2) vegetable fibers, under which heading attention is also given to the examination of paper; (3) animal and mineral fibers and textile fabrics; (4) stems and roots; (5) leaves; (6) flowers; (7) fruits and seeds; (8) teeth, bone and horn; (9) microchemical analysis for various acids and minerals.

The book is designed as a guide to the student entering the field of technical microscopy and aims to familiarize him with the methods of investigation and to prepare him for independent work. It teaches the technical worker how to investigate microscopically commercial raw materials with reference to their com-

* Sturgis, William C. The Myxomycetes of Colorado. Colorado Coll. Publication. Gen. Ser. No. 30. Sci. Ser. 12: 1-43. Colorado Springs, Colo., 1907.

† Hanausek, T. F. The Microscopy of Technical Products. Revised and translated by Andrew L. Winton, with the collaboration of Kate G. Barber. Pp. xii + 471. f. 1-276. John Wiley and Sons, New York, 1907. \$5.00.

position and suitability for technical purposes, thus enabling him to reach practical conclusions. The origin, harvesting, preparation and utilization of material are also briefly considered whenever the methods of preparation have an influence on the structure of the raw material.

The English edition has been improved by the introduction of over forty new cuts. The drawings by Winton and Barber are a decided improvement over many in the original work which are occasionally so diagrammatic as to be almost misleading. Note should also be made of the very considerable additions to the chapter on textile fibers and of the discussion of commercial timbers which has been revised and extended so as to include the most important North American species.

Noteworthy features of the book are the citations of the literature dealing with the various topics treated and the attention that is given to the solution of purely practical problems. Mention should also be made of the discussions of the more important morphological and biological features of the various organs and structures studied so that the student begins his examination of the commercial products with an understanding of the nature and origin of the various cells and tissues with which he is dealing. While in some minor respects this treatment is not in accord with present day botanical teaching, it will be conceded that the presentation has been made with a clearness and conciseness of statement and with a simplicity and consistency of terminology that may well serve as models for future authors.

Considering the range of the work, the authors have been remarkably successful in handling the various topics and have furnished to technical microscopists a timely and valuable textbook.

CARLTON C. CURTIS.

PROCEEDINGS OF THE CLUB

FEBRUARY 26, 1908

The Club was called to order at the Museum of the New York Botanical Garden at 3:45 P. M. Ten persons were present.

After the reading and approval of the minutes of the preceding